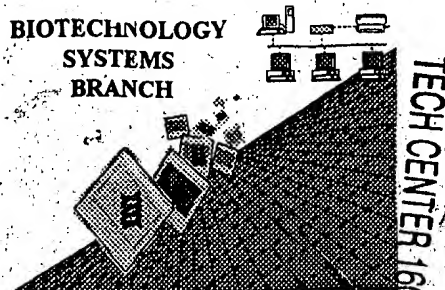


F. Moerle

RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



APR 17 2001

RECEIVED

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/400,802

Source: 1653

Date Processed by STIC: 4/5/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

1653

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/400,802

DATE: 04/05/2001
 TIME: 09:09:57

Input Set : A:\X-11158_US Sequence Listing.txt
 Output Set: N:\CRF3\04052001\I400802.raw

PP1-5

3 <110> APPLICANT: Efendic, Suad
 5 <120> TITLE OF INVENTION: USE OF GLP-1 OR ANALOGS IN TREATMENT OF STROKE
 7 <130> FILE REFERENCE: X-11158_US
 9 <140> CURRENT APPLICATION NUMBER: US 09/400,802
 10 <141> CURRENT FILING DATE: 1999-10-21
 12 <150> PRIOR APPLICATION NUMBER: US 60/101719
 13 <151> PRIOR FILING DATE: 1998-09-24
 15 <160> NUMBER OF SEQ ID NOS: 35
 17 <170> SOFTWARE: PatentIn version 3.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 31
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 24 <400> SEQUENCE: 1
 26 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 27 1 5 10 15
 29 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
 30 20 25 30
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 28
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Artificial
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: synthetic construct
 40 <400> SEQUENCE: 2
 42 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 43 1 5 10 15
 45 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys
 46 20 25
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 29
 50 <212> TYPE: PRT
 51 <213> ORGANISM: Artificial
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: synthetic construct
 56 <400> SEQUENCE: 3
 58 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 59 1 5 10 15
 61 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly
 62 20 25
 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 30
 66 <212> TYPE: PRT
 67 <213> ORGANISM: Homo sapiens
 69 <400> SEQUENCE: 4
 71 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 72 1 5 10 15

Does Not Comply
 Corrected Diskette Needed

see item 11 on Euro Summary Sheet
construct

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/400,802

DATE: 04/05/2001

TIME: 09:09:57

Input Set : A:\X-11158_US Sequence Listing.txt

Output Set: N:\CRF3\04052001\I400802.raw

74 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
75 20 25 30
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 31
79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial
82 <220> FEATURE:
83 <223> OTHER INFORMATION: synthetic construct
85 <400> SEQUENCE: 5
87 His Val Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
88 1 5 10 15
90 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
91 20 25 30
93 <210> SEQ ID NO: 6
94 <211> LENGTH: 31
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial
98 <220> FEATURE:
99 <223> OTHER INFORMATION: synthetic construct
101 <400> SEQUENCE: 6
103 His Ala Gln Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
104 1 5 10 15
106 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
107 20 25 30
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 31
111 <212> TYPE: PRT
112 <213> ORGANISM: Artificial
114 <220> FEATURE:
115 <223> OTHER INFORMATION: synthetic construct
117 <220> FEATURE:
118 <221> NAME/KEY: VARIANT
119 <222> LOCATION: (3)..(3)
120 <223> OTHER INFORMATION: Xaa at position 3 is D-Gln
123 <400> SEQUENCE: 7
125 His Ala Xaa Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
126 1 5 10 15
128 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
129 20 25 30
131 <210> SEQ ID NO: 8
132 <211> LENGTH: 31
133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial
136 <220> FEATURE:
137 <223> OTHER INFORMATION: synthetic construct
139 <400> SEQUENCE: 8
141 His Ala Glu Gly Thr Phe Thr Ser Asp Thr Ser Lys Tyr Leu Glu Gly
142 1 5 10 15
144 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/400,802

DATE: 04/05/2001

TIME: 09:09:57

Input Set : A:\X-11158_US Sequence Listing.txt

Output Set: N:\CRF3\04052001\I400802.raw

```

145          20          25          30
147 <210> SEQ ID NO: 9
148 <211> LENGTH: 31
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial
152 <220> FEATURE:
153 <223> OTHER INFORMATION: synthetic construct
155 <400> SEQUENCE: 9
157 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Lys Tyr Leu Glu Gly
158 1          5          10          15
160 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
161          20          25          30
163 <210> SEQ ID NO: 10
164 <211> LENGTH: 28
165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial
168 <220> FEATURE:
169 <223> OTHER INFORMATION: synthetic construct
171 <220> FEATURE:
172 <221> NAME/KEY: VARIANT
173 <222> LOCATION: (20)..(20)
174 <223> OTHER INFORMATION: Xaa at position 20 is D-Lys, Gly, Ser, Ala, Leu, Ile, Gln, Arg, D
175 -Arg and Me
178 <220> FEATURE:
179 <221> NAME/KEY: VARIANT
180 <222> LOCATION: (28)..(28)
181 <223> OTHER INFORMATION: Xaa at position 28 is D-Lys, Gly, Ser, Ala, Leu, Ile, Gln, Arg, D
182 -Arg and Me
185 <400> SEQUENCE: 10
187 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
188 1          5          10          15
W--> 190 Gln Ala Ala Xaa Glu Phe Ile Ala Trp Leu Val Xaa
191          20          25
193 <210> SEQ ID NO: 11
194 <211> LENGTH: 29
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial
198 <220> FEATURE:
199 <223> OTHER INFORMATION: synthetic construct
201 <220> FEATURE:
202 <221> NAME/KEY: VARIANT
203 <222> LOCATION: (20)..(20)
204 <223> OTHER INFORMATION: Xaa at position 20 is D-Lys, Gly, Ser, Ala, Leu, Ile, Gln, Arg, D
205 -Arg and Me
208 <220> FEATURE:
209 <221> NAME/KEY: VARIANT
210 <222> LOCATION: (28)..(28)
211 <223> OTHER INFORMATION: Xaa at position 28 is D-Lys, Gly, Ser, Ala, Leu, Ile, Gln, Arg, D
212 -Arg and Me

```

do you mean Met?

RAW SEQUENCE LISTING

DATE: 04/05/2001

PATENT APPLICATION: US/09/400,802

TIME: 09:09:57

Input Set : A:\X-11158_US Sequence Listing.txt

Output Set: N:\CRF3\04052001\I400802.raw

215 <400> SEQUENCE: 11
 217 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 218 1 5 10 15
 W-220 Gln Ala Ala Xaa Glu Phe Ile Ala Trp Leu Val Xaa Gly
 221 20 25
 223 <210> SEQ ID NO: 12
 224 <211> LENGTH: 31
 225 <212> TYPE: PRT
 226 <213> ORGANISM: Artificial
 228 <220> FEATURE:
 229 <223> OTHER INFORMATION: synthetic construct
 231 <220> FEATURE:
 232 <221> NAME/KEY: VARIANT
 233 <222> LOCATION: (20)..(20)
 234 <223> OTHER INFORMATION: Xaa at position 20 is D-Lys, Gly, Ser, Ala, Leu, Ile, Gln, Arg, D
 235 -Arg and Me
 238 <220> FEATURE:
 239 <221> NAME/KEY: VARIANT
 240 <222> LOCATION: (28)..(28)
 241 <223> OTHER INFORMATION: Xaa at position 28 is D-Lys, Gly, Ser, Ala, Leu, Ile, Gln, Arg, D
 242 -Arg and Me
 245 <220> FEATURE:
 246 <221> NAME/KEY: VARIANT
 247 <222> LOCATION: (30)..(30)
 248 <223> OTHER INFORMATION: Xaa at position 30 is Lys, D-Lys, Gly, Ser, Ala, Leu, Ile, Gln, M
 249 et and D-Arg
 252 <400> SEQUENCE: 12
 254 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 255 1 5 10 15
 W--> 257 Gln Ala Ala Xaa Glu Phe Ile Ala Trp Leu Val Xaa Gly Xaa Gly
 258 20 25 30
 260 <210> SEQ ID NO: 13
 261 <211> LENGTH: 31
 262 <212> TYPE: PRT
 263 <213> ORGANISM: Artificial
 265 <220> FEATURE:
 266 <223> OTHER INFORMATION: synthetic construct
 268 <220> FEATURE:
 269 <221> NAME/KEY: VARIANT
 270 <222> LOCATION: (10)..(10)
 271 <223> OTHER INFORMATION: Xaa at position 10 is Tyr or Val
 274 <220> FEATURE:
 275 <221> NAME/KEY: VARIANT
 276 <222> LOCATION: (12)..(12)
 277 <223> OTHER INFORMATION: Xaa at position 12 is Lys or Ser
 280 <220> FEATURE:
 281 <221> NAME/KEY: VARIANT
 282 <222> LOCATION: (15)..(15)
 283 <223> OTHER INFORMATION: Xaa at position 15 is Asp or Glu

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/400,802

DATE: 04/05/2001
TIME: 09:09:57

Input Set : A:\X-11158_US Sequence Listing.txt
Output Set: N:\CRF3\04052001\I400802.raw

286 <220> FEATURE:
287 <221> NAME/KEY: VARIANT
288 <222> LOCATION: (16)..(16)
289 <223> OTHER INFORMATION: Xaa at position 16 is Ser or Gly
292 <220> FEATURE:
293 <221> NAME/KEY: VARIANT
294 <222> LOCATION: (17)..(17)
295 <223> OTHER INFORMATION: Xaa at position 17 is Arg or Gln
298 <220> FEATURE:
299 <221> NAME/KEY: VARIANT
300 <222> LOCATION: (18)..(18)
301 <223> OTHER INFORMATION: Xaa at position 18 is Arg or Ala
304 <220> FEATURE:
305 <221> NAME/KEY: VARIANT
306 <222> LOCATION: (20)..(20)
307 <223> OTHER INFORMATION: Xaa at position 20 is Gln or Lys
310 <400> SEQUENCE: 13
312 His Ala Glu Gly Thr Phe Thr Ser Asp Xaa Ser Xaa Tyr Leu Xaa Xaa
313 1 5 10 15
315 Xaa Xaa Ala Xaa Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
316 20 25 30
318 <210> SEQ ID NO: 14
319 <211> LENGTH: 31
320 <212> TYPE: PRT
321 <213> ORGANISM: Artificial
323 <220> FEATURE:
324 <223> OTHER INFORMATION: synthetic construct
326 <400> SEQUENCE: 14
328 Tyr Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
329 1 5 10 15
331 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
332 20 25 30
334 <210> SEQ ID NO: 15
335 <211> LENGTH: 31
336 <212> TYPE: PRT
337 <213> ORGANISM: Artificial
339 <220> FEATURE:
340 <223> OTHER INFORMATION: synthetic construct
342 <220> FEATURE:
343 <221> NAME/KEY: VARIANT
344 <222> LOCATION: (1)..(1)
345 <223> OTHER INFORMATION: Xaa at position 1 is N-acetyl-His
348 <400> SEQUENCE: 15
350 Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
351 1 5 10 15
353 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
354 20 25 30
356 <210> SEQ ID NO: 16
357 <211> LENGTH: 31

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 04/05/2001

PATENT APPLICATION: US/09/400,802

TIME: 09:09:58

Input Set : A:\X-11158_US Sequence Listing.txt

Output Set: N:\CRF3\04052001\I400802.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35